Tom/Sven meeting 11/26

Wind and wind correction:

* Check if Seaver is doing correction on Wind NCEP and ship and how he is applying it!
* Tom’s correlation: Slope 0.783 \*truewind \*1.53
* Go with the NCEP wind data corrected by the ship measured data as Tom did!

O2/Ar calibration:

* Cali: -1min before/after each valve change
* Measurement -1min after change

If data looks off, check:

* Flow rate
* Total pressure (TP)
* Check O2 m32 and optode O2 correlation ->outliers likely will indicate issues with the measurement.
* temp correlation

k estimate:

* Use the weighted analysis according to literature for first NCP estimate!
* Check K value and correlate to temp, p, and wind speed

Data and calibration:

* Fill in gaps during calibration using O2 optode data! Use correlation from O2/Ar and O2 optode from 1hour before and after calibration. OR - Compare NCP/ O2 optode data and apply a similar correlation to fill in gaps .

Outliers during cycles:

* Use proximity to sediment trap / buoy to check if we left the station!

Data output:

* 1file with all data
* separate files according to Seasoar, transects, cycles , 4and potentially others.
  + Timestamps (Sven)
* Add flags to data (e.g. 1, 2, 3, 4, etc) to identify and add notes to values (Tom)

Plots and Figures

* Automatically generate more plots (with good names, labels, etc) in order to look at data and model critically.